

ABSTRACT

An integrated vehicle structure includes an electronic site in a plastic support structure. The electronic site has a flexible substrate with electronic components mounted thereon. The plastic support structure defines a plastic mounting surface which includes a plurality of elongated ribs projecting from the plastic support structure. Each of the ribs have a side edge forming a portion of the plastic mounting surface. The flexible substrate is mounted to the plastic mounting surface, and a plurality of air flow passageways are defined by adjacent ribs in the flexible substrate. A metal support structure may also be provided which defines a metal mounting surface. One or more electronic sides may be attached to the metal and plastic mounting surfaces.